8804-100-08

THE GENERAL CRUSHED STONE COMPANY
P.O. BOX 231 EASTON, PENNSYLVANIA 18044-0231
Phone (215) 253-4271

A Subsidiary of KOPPERS COMPANY, INC.

ORIGINAL (Red)

June 20, 1988

NVS Corporation
999 West Valley Road
Wayne, PA 19087

Attn: Mr. Christopher Snyder

Dear Mr. Snyder

Attached please find the materials requested during the "Preliminary Site Assessment" at our Rock Hill facility:

1. Mine Drainage, Erosion and Sedimentation Control Narrative.

2. Flow Diagram of Water Treatment System.

3. Mine Drainage Plan.

4. Supplemental "G-1", Public and Private Water Supply Information.

As mentioned earlier, these materials were filed with our 1974 "Application for Mine Drainage and Surface Mining Permit" as requested by the Pennsylvania Department of Environmental Resources.

In addition, questions materialized on the following:

1. Q. What were the approximate years of operation at the Rock Hill site by The General Crushed Stone Company?

   A. 1903 - 1981

2. Q. What type of emission control system was used on the Hetherington and Berner bituminous concrete plant?

   A. Wet dust scrubber for collection of aggregate emissions during the drying process. Water containing stone fines was then carried through a series of five to six settling ponds to allow future recirculation of clean water.

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3. Q. Number and depth of on-site wells at the facility?

   A. Four (4) on-site wells approximately 100'-150' depth.

Should you require further information, please call.

Very truly yours,

THE GENERAL CRUSHED STONE COMPANY

Jon A. Reedy

Jon A. Reedy
Assistant Safety/Enrivonmental Director

Attachments
cc: B. Elmer
V. Snyder
K. Snyder
A. Demasi
C. Nerz
J. Bronico

MINE DRAINAGE AND EROSION AND SEDIMENTATION CONTROL NARRATIVE (SEE MINE DRAINAGE PLAN)

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The Rock Hill plant produces both blacktop and crushed stone; each of which uses water in the processing system. Quarry dewatering is also necessary, which involves another source of industrial water.

The entire material process water system is closed, and is composed of five (5) settling ponds, referenced by number in order of flow. Waste water from the blacktop plant scrubber and the crusher - washer system is collected in a sump and pumped to Pond #1. The waste water then flows by gravity through Ponds #2, #3, #4, and #5. At the end of Pond #5, the fresh water pond, the water is pumped back to the scrubber and washer for recirculation in the process system. The sump for the scrubber and washer is equipped with a drain to Pond #3, to insure treatment of wastes in case of pump failure. This drain line from the sump is used only under emergency conditions. Pond #1 discharge may be directed to Pond #2, by-passing Pond #2.

Make up water for the plant process water system is taken primarily from the pit discharge. The pit discharge line is equipped with a valve which permits quarry water to be directed to Pond #5 or to the wet weather drainage ditch. When pit water is not utilized in the process system, it flows in the ditch to Pond #6 to insure settlement of any solids before final discharge. In times of dry weather, it may be necessary to use more make-up water than is available through the quarry discharge. In this

case, a temporary pumping system is used to pump water from Pond #6 to Pond #5. Under normal conditions, the entire quarry water discharge is used for make-up water.

No surface water escapes the operation without first passing through a settling basin. All surface runoff from the southern stockpile area and impure mineral storage area is collected by diversion dikes and directed from this area into the wet weather drainage ditch. This ditch also collects water from the plant area, and directs the runoff to Pond #6 for settlement of suspended solids. Runoff from the northern stockpile is directed by a drainage ditch into a sedimentation control pond, adjacent to Pond#6, and is then discharged to Pond #6.

All water encountered by the quarry and stone processing operations at Rock Hill, including runoff, is treated for the removal of sediments. No process water is ever discharged from this site. Quarry water is the only water ever discharged, but this water is usually used entirely for make-up water.

A flow diagram (following sheet) is included as part of the Permit Application to further clarify the Water Treatment System for this quarry.

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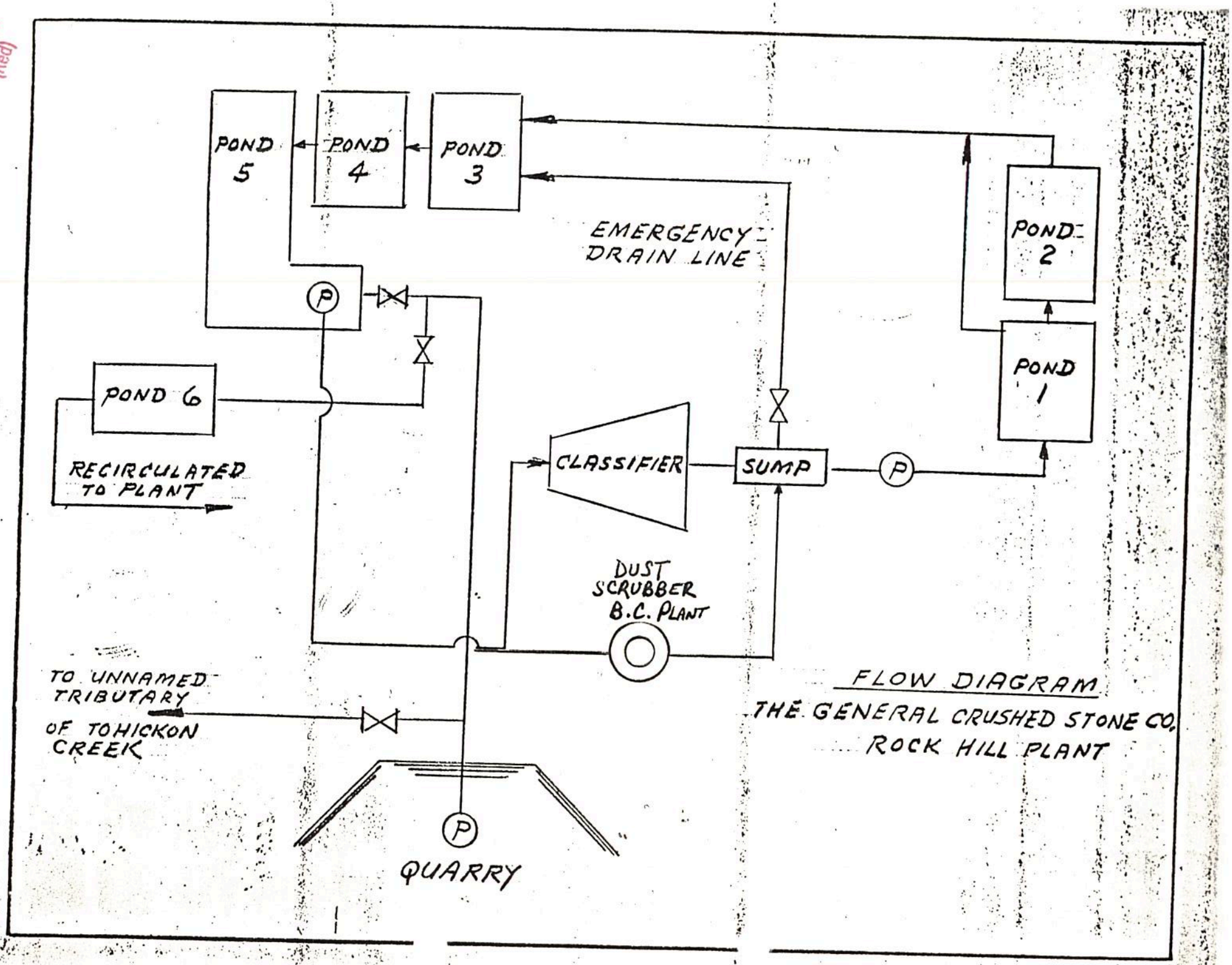
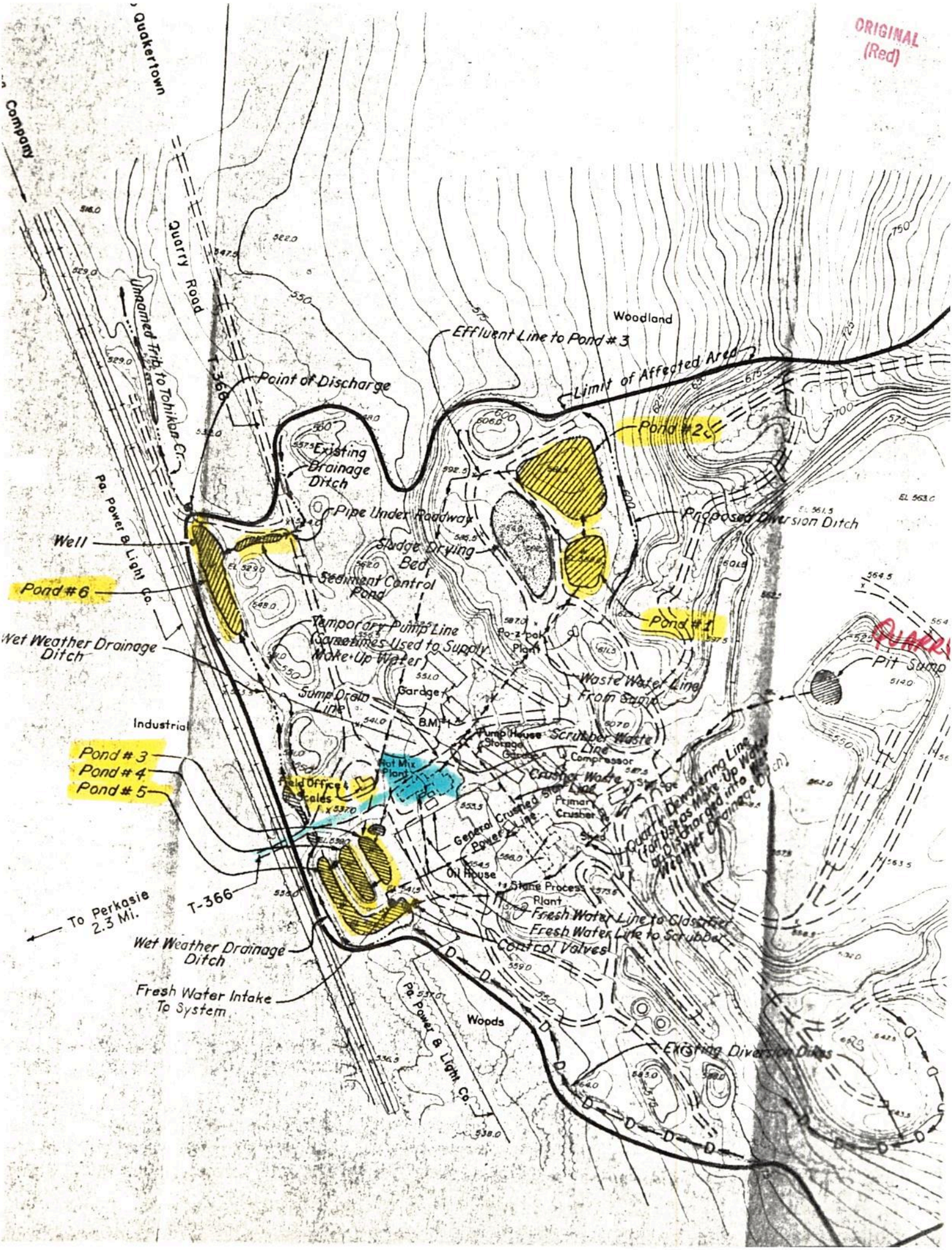


FLOW DIAGRAM

THE GENERAL CRUSHED STONE CO.

ROCK HILL PLANT


ORIGINAL
(Red)
Quakertown
Company
Quarry Road
Unnamed Trib. to Tohickon Cr.
T-368
Point of Discharge
Effluent Line to Pond #3
Limit of Affected Area
Woodland
Pond #2
Existing Drainage Ditch
Pipe Under Roadway
Proposed Diversion Ditch
Pa. Power & Light Co.
Well
Pond #6
Sludge Drying Bed
Sediment Control Pond
Temporary Pump Line Sometimes Used to Supply Make-Up Water
Pond #1
Po-z-tok Plant
Wet Weather Drainage Ditch
Waste Water Line From Sump
Pit Sump
Sump Drain Line
Garage
B.M. #1
Industrial
Pond #3
Pond #4
Pond #5
Pump House
Storage
Garage
Scrubber Waste Line
Compressor
Crusher Waste Line
Hot Mix Plant
Field Office & Scales
Primary Crusher
Quarry Dewatering Line (for use as Make Up Water at Plant or and into Wet Weather Drainage Ditch)
General Crushed Stone Power Line
Oil House
Stone Process Plant
To Perkasie 2.3 Mi.
T-366
Fresh Water Line to Classifier
Fresh Water Line to Scrubber
Control Valves
Wet Weather Drainage Ditch
Fresh Water Intake To System
Pa. Power & Light Co.
Woods
Existing Diversion Ditches
QUARRY

ROCK HILL

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
DIVISION OF MINE DRAINAGE CONTROL AND RECLAMATION

ORIGINAL (Red)

SUPPLEMENTAL "G-1"

PUBLIC and PRIVATE WATER SUPPLY INFORMATION

(a) List all public water supplies within ten (10) miles of the closest discharge point of the proposed mining operation.

1. Distance from operation to water supply 2 miles.

2. Name and address of Water Supply(s)

Perkasie Borough Authority
South 7th Street
Perkasie, Penna.

3. Principal person(s) to be contacted and address(s).

Karl Schoeller, Chairman of Board
Perkasie Borough Authority
South 7th Street
Perkasie, Pa.

L.W. Davis, P.E. Manager
Perkasie Borough Authority
South 7th Street
Perkasie, Pa. 215-257-3654

4. Type of Water Supply

(X) (a) Reservoir – fed by wells
(b) Impoundment
(X) (c) Wells
(d) Intake

5. Location of Water Supply

a) (b) (9) [redacted]
c)

6. Stream Perkiomen Creek

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
DIVISION OF MINE DRAINAGE CONTROL AND RECLAMATION

ORIGINAL (Red)

SUPPLEMENTAL "G-1"

PUBLIC and PRIVATE WATER SUPPLY INFORMATION

(a) List all public water supplies within ten (10) miles of the closest discharge point of the proposed mining operation.

1. Distance from operation to water supply 3½ miles.

2. Name and address of Water Supply(s)

Quakertown Water Department
330 W. Broad St.
Quakertown, Penna.

3. Principal person(s) to be contacted and address(s).

Mr. Nicholas Luca, Borough Manager
Borough Bldg.
Quakertown, Pa. 215-536-5001

4. Type of Water Supply

(X) (a) Reservoir
(b) Impoundment
(X) (c) Wells
(d) Intake

5. Location of Water Supply

(b) (9) [redacted]

6. Stream Tohickon Creek

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
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ORIGINAL (Red)

SUPPLEMENTAL "G-1"

PUBLIC and PRIVATE WATER SUPPLY INFORMATION

(a) List all public water supplies within ten (10) miles of the closest discharge point of the proposed mining operation.

1. Distance from operation to water supply 3¼ miles.

2. Name and address of Water Supply(s)

Sellersville Water Company
140 E. Church Street
Sellersville, Penna. 18960

3. Principal person(s) to be contacted and address(s).

Mr. Richard Coll, Manager
Sellersville Water Company
140 E. Church Street
Sellersville, Pennsylvania 18960 215-257-7333

4. Type of Water Supply

(X)(a) Reservoir and tank
(X)(b) Impoundment
(X)(c) Wells
(X)(d) Intake

5. Location of Water Supply

a) (b) (9) [redacted]
b)
c)
d)

6. Stream

(b) List all Individual Sources of Water Supply on and adjacent to area of mining.

1. Name and address of each owner or user.

2. Type of Water Supply

   (a) Well
   (b) Spring
   (c) Stream
   (d) Public

3. Key the names of individually owned or used water sources, with their locations on the property maps submitted with the Mine Drainage Application.

KEY	NAME	ADDRESS	TYPE
1	(b) (9), (b) (6)		
2			
3			
4			
5			
6			
7			
8			
9			ell
10			
11			
12			
13			

(b) List all Individual Sources of Water Supply on and adjacent to area of mining.

ORIGINAL (Red)

1. Name and address of each owner or user.

2. Type of Water Supply

   (a) Well
   (b) Spring
   (c) Stream
   (d) Public

3. Key the names of individually owned or used water sources, with their locations on the property maps submitted with the Mine Drainage Application.

KEY	NAME	ADDRESS	TYPE
14	(b) (9), (b) (6)	[redacted]	
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			